

**§ 5.103 Authorized bandwidth.**

Each authorization issued to a station operating in this service will show, as the prefix to the emission classification, a figure specifying the maximum necessary bandwidth in kilohertz for the emission used. The authorized bandwidth is considered to be the occupied or necessary bandwidth whichever is greater. This bandwidth should be determined in accordance with § 2.202 of part 2 of this chapter.

[48 FR 52738, Nov. 22, 1983]

**§§ 5.104–5.105 [Reserved]****§ 5.106 Transmitter control requirements.**

Each licensee shall be responsible for maintaining control of the transmitter authorized under its station authorization. This includes both ensuring that transmissions are in conformance with the operating characteristics prescribed in the station authorization and that the station is operated only by persons duly authorized by the licensee.

[48 FR 52738, Nov. 22, 1983]

**§ 5.107 [Reserved]****§ 5.108 Wildlife tracking and ocean buoy tracking operations.**

Except as provided in §§ 5.101, 5.102, 5.103 and 5.106, the use of frequencies in the bands 40.66–40.70 MHz and 216–220 MHz for the tracking of and telemetry of scientific data from ocean buoys and animal wildlife are subject to the following conditions:

(a) All transmitters used at stations first licensed after February 18, 1975, shall comply with the technical requirements in paragraph (b) of this section and shall be verified as provided in § 5.109.

(b) Technical requirements for transmitters used for these operations are as follows:

(1) In the 40.66–40.70 MHz frequency band, the bandwidth required for frequency tolerance plus the occupied bandwidth of any emissions must be adjusted so as to be confined within

this band, except as permitted by paragraph (b)(6) of this section.

(2) In the 216–220 MHz frequency band, the carrier frequency shall be maintained within 0.005 percent of the assigned frequency.

(3) Classes of emission will be limited to A0, A1, A2, F1, F2 and/or F9.

(4) Occupied bandwidth shall not exceed 1 kHz.

(5) The maximum carrier power shall not exceed 1 milliwatt for airborne wildlife applications, 10 milliwatts for terrestrial wildlife applications and 100 milliwatts for ocean buoys.

(6) The mean power of emissions shall be attenuated below the mean output power of the transmitter in accordance with the schedule shown in § 5.103(b) of this subpart.

[40 FR 2814, Jan. 16, 1975; 40 FR 6474, Feb. 12, 1975; 48 FR 52738, Nov. 22, 1983; 63 FR 36602, July 7, 1998]

EFFECTIVE DATE NOTE: At 63 FR 36602, July 7, 1998, in § 5.108, paragraph (a) was amended by removing the term *type accepted* and adding in its place *verified*, effective Oct. 5, 1998.

**§ 5.109 Acceptability of transmitters for licensing.**

All transmitters used at stations licensed for wildlife and ocean buoy tracking and telemetering operations pursuant to § 5.108 shall be verified pursuant to subpart J of part 2 of this chapter.

[63 FR 36602, July 7, 1998]

EFFECTIVE DATE NOTE: At 63 FR 36602, July 7, 1998, § 5.109 was revised, effective Oct. 5, 1998. For the convenience of the user, the superseded text is set forth as follows:

**§ 5.109 Acceptability of transmitters for licensing.**

All transmitters used at stations licensed for wildlife and ocean buoy tracking and telemetering operations pursuant to § 5.108 shall be type accepted or notified pursuant to subpart J of part 2 of this chapter. After March 5, 1984, only grants of notification will be issued for equipment authorized for use in this service.

Secs. 4(i), 302, 303(e) 303(f) and 303(r) of the Communications Act of 1934, as amended)

[49 FR 3996, Feb. 1, 1984]